

Environmental Protection Agency

§ 421.206

§ 421.197 [Reserved]

Subpart R—Secondary Mercury Subcategory

SOURCE: 50 FR 38354, Sept. 20, 1985, unless otherwise noted.

§ 421.200 Applicability: Description of the secondary mercury subcategory.

The provision of this subpart are applicable to discharges resulting from the production of mercury from secondary mercury facilities processing recycled mercuric oxide batteries and other mercury containing scrap raw materials.

§ 421.201 Specialized definitions.

For the purpose of this subpart the general definitions, abbreviations, and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

§§ 421.202–421.203 [Reserved]

§ 421.204 Standards of performance for new sources.

Any new source subject to this subpart shall achieve the following new source performance standards:

(a) Spent battery electrolyte.

NSPS FOR THE SECONDARY MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury produced from batteries	
Lead	0.030	0.014
Mercury	0.016	0.006
Total suspended solids	1.590	1.272
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(b) Acid wash and rinse water.

NSPS FOR THE SECONDARY MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury washed and rinsed	
Lead	0.00056	0.00026
Mercury	0.00030	0.00012
Total suspended solids	0.03000	0.02400
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(c) Furnace wet air pollution control.

NSPS FOR THE SECONDARY MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury processed through furnace	
Lead	0.000	0.000
Mercury	0.000	0.000
Total suspended solids	0.000	0.000
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

§ 421.205 [Reserved]

§ 421.206 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources. The mass of wastewater pollutants in secondary mercury process wastewater introduced into a POTW shall not exceed the following values:

(a) Spent battery electrolyte.

PSNS FOR THE SECONDARY MERCURY SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury produced from batteries	
Lead	0.030	0.014
Mercury	0.016	0.006

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(b) Acid wash and rinse water.

PSNS FOR THE SECONDARY MERCURY
SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of mercury washed and rinsed	
Lead	0.00056	0.00026
Mercury	0.00030	0.00012

(c) Furnace wet air pollution control.

PSNS FOR THE SECONDARY MERCURY
SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds of mercury processed through furnace	
Lead	0.000	0.000
Mercury	0.000	0.000

§ 421.207 [Reserved]

**Subpart S—Primary Molybdenum
and Rhenium Subcategory**

SOURCE: 50 FR 38355, Sept. 20, 1985, unless otherwise noted.

**§ 421.210 Applicability: Description of
the primary molybdenum and rhenium
subcategory.**

The provisions of this subpart are applicable to discharges resulting from the production of molybdenum and rhenium facilities.

§ 421.211 Specialized definitions.

For the purpose of this subpart the general definitions, abbreviations, and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

§ 421.212 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart shall

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achieve the following effluent limitation representing the degree of effluent reduction attainable by the application of the best practicable technology currently available:

(a) Molybdenum sulfide leachate.

BPT LIMITATIONS FOR THE PRIMARY
MOLYBDENUM RHENIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum monthly average
	mg/kg (pounds per million pounds) of molybdenum sulfide leached	
Arsenic	0.968	0.431
Lead	0.195	0.093
Nickle	0.889	0.588
Selenium	0.570	0.255
Molybdenum	[Reserved]	[Reserved]
Ammonia (as N)	61.720	27.130
Fluoride	16.210	9.214
Total suspended solids	18.980	9.029
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(b) Roaster SO₂ scrubber.

BPT LIMITATIONS FOR THE PRIMARY
MOLYBDENUM AND RHENIUM SUBCATEGORY

Pollutant of pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of molybdenum sulfide roasted	
Arsenic	3.509	1.561
Lead	0.705	0.336
Nickel	3.224	2.133
Selenium	2.065	0.924
Molybdenum	[Reserved]	[Reserved]
Ammonia (as N)	223.800	98.390
Fluoride	58.770	33.410
Total suspended solids	68.840	32.740
pH	(¹)	(¹)

¹ Within the range of 7.5 to 10.0 at all times.

(c) Molybdic oxide leachate.

BPT LIMITATIONS FOR THE PRIMARY
MOLYBDENUM AND RHENIUM SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of molybdenum contained in molybdic oxide leached	
Arsenic	24.210	10.770
Lead	4.865	2.317
Nickel	22.240	14.710
Selenium	14.250	6.371
Molybdenum	[Reserved]	[Reserved]